

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2107	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2107	A	4.21				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.06		0.06	1.43%	PO Miles	CO Miles
Slope Stability	0.01		0.01	0.24%		
<i>LMA Totals:</i>	0.07	0.00	0.07	1.66%	0.01	0.00
Unit No. 01 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	2.37				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.05		0.05	2.11%	PO Miles	CO Miles
<i>Unit Totals:</i>	0.05	0.00	0.05	2.11%	0.01	0.00
Unit No. 02 Paradise Cut	Overall Unit Rating	Total Unit Miles				
	A	1.84				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.01		0.01	0.54%		
Slope Stability	0.01		0.01	0.54%		
<i>Unit Totals:</i>	0.02	0.00	0.02	1.09%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Reclamation District No. 2107

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2009 Levee Inspection Results
Reclamation District No. 2107**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.37
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/20/2009		11/4/2009	
DWR Inspector	Richard Willoughby		John Paasch	
Accompanied By			Robert Brown	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2107

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	2.37		John Paasch

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.02	0.05	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level. Inspector Comments: Trees have been trimmed.	37.787065 ° -121.308735 °	37.786632 ° -121.308558 °	19 Y
2	0.03	0.03	Earthen Levee	Encroachments	LS	M	Debris Inspector Comments: Massive concrete cylinder located on levee slope.	37.787043 ° -121.308688 °	37.787043 ° -121.308688 °	14 Y
3	0.06	0.06	Earthen Levee	Encroachments	LS	M	Material Inspector Comments: Material placed against levee and at levee toe needs to be removed.	37.786514 ° -121.308513 °	37.786514 ° -121.308513 °	15 Y
4	0.26	0.26	Earthen Levee	Encroachments	WS	M	Garbage Inspector Comments: Trash left by vagrants seeking river access is an ongoing problem at this location.	37.784289 ° -121.306493 °	37.784289 ° -121.306493 °	16 Y
5	1.23	1.23	Earthen Levee	Encroachments	LS	M	Firewood Inspector Comments: Firewood placed on levee slope.	37.774357 ° -121.307118 °	37.774357 ° -121.307118 °	13 Y
6	1.24	1.24	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Landscaping and fence present on levee slope.	37.774123 ° -121.307189 °	37.774123 ° -121.307189 °	17 Y
7	1.50	1.50	Earthen Levee	Encroachments	LS	M	Pipe Inspector Comments: PVC pipe located on levee slope.	37.771483 ° -121.304777 °	37.771483 ° -121.304777 °	18 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2107

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37		John Paasch

Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Photo of 4-ft long concrete cylinder on landside levee slope at start of unit 1.

jpaasch_20091104_172.jpg



Levee Mile Report Line	3
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Photo of wood chips placed within 10-ft of landside levee toe.

jpaasch_20091104_173.jpg



Levee Mile Report Line	4
Start Levee Mile	0.26
End Levee Mile	0.26
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Photo of litter near highway bridge over San Joaquin River.

jpaasch_20091104_174.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2107

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37		John Paasch

Levee Mile Report Line	5
Start Levee Mile	1.23
End Levee Mile	1.23
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Photo of wood pile on landside levee slope.

jpaasch_20091104_171.jpg



Levee Mile Report Line	6
Start Levee Mile	1.24
End Levee Mile	1.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Photo of landscape planting on landside levee slope and a 3-ft yard fence at the levee toe.

jpaasch_20091104_175.jpg



Levee Mile Report Line	7
Start Levee Mile	1.50
End Levee Mile	1.50
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Photo of plastic irrigation pipe on levee slope and within 10-ft of the landside levee toe.

jpaasch_20091104_176.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 2107

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	1.84
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/20/2009		9/9/2009	
DWR Inspector	Richard Willoughby		John Paasch	
Accompanied By			Robert Brown	

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Signature of LMA Representative

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Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2107

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Paradise Cut						Right	1.84	09/15/2009 09/15/2009	John Paasch	

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.19	0.19	Earthen Levee	Encroachments	WS	C	Prunings	37.761920 ° -121.312772 °	37.761920 ° -121.312772 °	1
2	1.27	1.82	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Add appropriate gravel or road base. Grade and compact.	37.772012 ° -121.326490 °	37.777522 ° -121.332898 °	2
3	1.29	1.29	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Recent wheel ruts may lead to a slope stability issue.	37.772075 ° -121.326684 °	37.772075 ° -121.326684 °	3 Y
4	1.52	1.52	Earthen Levee	Encroachments	LS	M	Pipe Inspector Comments: Short pipe segments left along levee toe should be removed.	37.774186 ° -121.329957 °	37.774186 ° -121.329957 °	4 Y

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Reclamation District No. 2107

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	09/15/2009 09/15/2009	John Paasch

Levee Mile Report Line	3
Start Levee Mile	1.29
End Levee Mile	1.29
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Photo of wheel ruts on landside levee slope. This should be repaired before coming rains worsen the conditions.

jpaasch_20090924_53.jpg



Levee Mile Report Line	4
Start Levee Mile	1.52
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Pipe should be removed from levee slope and toe.

jpaasch_20090924_54.jpg



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